

AMENDMENTS TO THE CLAIMS

1-7 (cancelled)

8. (currently amended) A transition from a waveguide to a microstrip, comprising:

a substrate including a plurality of ground surfaces superimposed on one another, at least one of said plurality of ground surfaces being interior to said substrate, the microstrip extending on said substrate; and

5 a plurality of through-contacts providing electrical connectivity to said plurality of ground surfaces;

wherein the waveguide includes a waveguide wall with an opening therein, said substrate projecting through said opening into the waveguide such that at least a portion of the microstrip is disposed within the waveguide, at least one of said plurality of ground surfaces being in contact
10 with said waveguide wall.

9. (previously presented) The transition of claim 8, further comprising a through-plating in said substrate at an end of the microstrip, said through-plating disposed within the waveguide; wherein said end of the microstrip acts as an antenna.

10. (currently amended) The transition of claim 8, further comprising ~~wherein said plurality of ground surfaces include~~ a first ground surface and a second ground surface, said first ground surface being superimposed on a surface of said substrate adjacent to a side of the microstrip and said second ground surface being superimposed on a surface of said substrate
5 adjacent to an other side of the microstrip, said first and second ground surfaces being in contact

with at least one ~~other~~ of said plurality of ground surfaces via at least one of said plurality of through-contacts.

11. (previously presented) The transition of claim 8, further comprising:

at least one screw; and

a support disposed proximate said waveguide wall, said substrate being fixedly connected to said support by said at least one screw;

5 wherein said at least one screw extends through said plurality of ground surfaces making electrical contact between said ground surfaces and said support.

12. (currently amended) The transition of claim 11, further comprising a conductive ribbon, wherein said at least one screw ~~lies with its~~ has a head thereof which lies on one of said plurality of ground surfaces applied to an upper side of said substrate adjacent the microstrip, said conductive ribbon connected to said waveguide wall and clamped between said head of said at

5 least one screw and one of said plurality of ground surfaces.

13. (previously presented) The transition of claim 10, further comprising:

a projection of said waveguide wall; and

at least one conductive elastic body being inserted between said projection and at least one of said first ground surface and said second ground surface.

14. (previously presented) The transition of claim 11, further comprising:

a projection of said waveguide wall; and

at least one conductive elastic body being inserted between said projection and said at least one screw.